

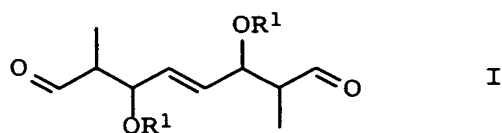
Process for preparing carotenoids

Abstract

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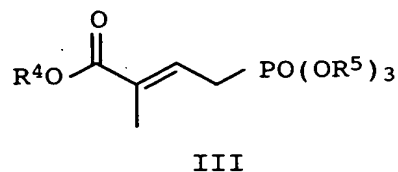
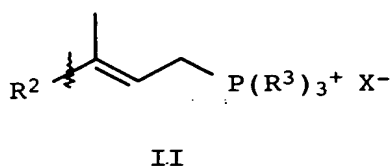
The invention relates to a process for preparing carotenoids, which comprises reacting a dialkoxy dialdehyde of the general formula I

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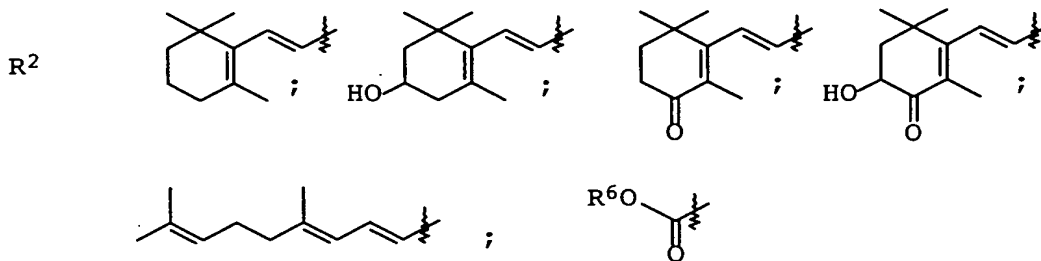
with R¹ = C₁-C₆-alkyl, in a double Wittig condensation with a
15 phosphonium salt of the formula II or in a double Wittig-Horner condensation with a phosphonate of the formula III,

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in which the substituents have independently of one another the following meaning:

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R³ aryl;

R⁴ to R⁶

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C₁-C₆-alkyl and

X⁻ an anion equivalent of an inorganic or organic acid.

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